

The Alternative to Insulin Injections

What is Reboot?

Reboot is a BCI system that removes the need for insulin by using electric impulses. We truly believe that it's possible to use electric impulses to propel the next generation of personalized healthcare!

The Problem

Current methods involve diabetic patients requiring frequent injections or pumps of insulin. Over time, this "lifestyle" proves to be gruesome but also unreliable, due to incorrect administration of insulin shots.

Reboot's approach

Using a BCI system, it sends electric impulses to "electrocute" our cells to artificially open cell receptors. This process allows in glucose for ATP production.

The Process

1. Insertion

The BCI is surgically inserted in the brain. It consists of sensors that detect for high blood glucose levels. The sensors detect high blood glucose levels and "fire" electric impulses until they reach nano-electrodes, strategically placed around the body.

2. Selection

The electric impulses will then be sent from those nano-electrodes to trillions of cells in the body. These impulses would target the insulin receptors to provide an opening to the cells.

3. Activation

Once targeted, the cell initiates a cascade of chemical reactions that activate the GLUT4 protein. This process ensures that glucose enters the cells and diabetic patients can continue to produce ATP energy..